

RTCA Special Committee 209

Working Group #1

Mode S Transponder MOPS Development/Maintenance

Meeting #1

RTCA, Washington DC

3 – 5 April 2007

**Proposed Changes to the draft of Appendix “B”
as a result of SC-209 Action Item 6-4
Revision 1 (to correct reference to adding sections at §B.5)
Revision 2 (to add §C.2.4.3 to the text copied into §B.5)**

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SUMMARY

This Working Paper presents a proposed set of changes to Appendix B for DO-181D as a result of the implementation of actions resulting from Action Item 6-4 as was agreed to during the Joint Plenary Session of RTCA SC-209 and Eurocae WG-49 in Melbourne Florida, the week of 29 January 2007.

Action Item 6-4 accepted by Gary Furr and Andy Leone:

“Harmonize Appendix B with materials in the latest Doc 9871, by copying the guidance materials from Doc 9871 §C.2.4.4 into an appropriate place in Appendix B. Additionally, the text from §A.2.1.1 under the Register Table that defines the maximum update intervals, would be copied into an appropriate place in Appendix B.”

Dealing with the portion of the Action Item which references §A.2.1.1, upon review of both documents, we feel that all of the information from Doc 9871 exists in the draft of Appendix B, just not in the same format or locations. The list below indicates where in each document to find the respective information:

DO-181D, Appendix B

Table B-2-3
Note 1
Note 2
§B.2.2.6.1.1.4

ICAO Doc 9871

A.2.1
Note
Second sentence of §A.2.1.2
§A.2.1.1 and 1st sentence of §A.2.1.2

During the Joint Plenary Session of RTCA SC-209 and Eurocae WG-49 personnel in Melbourne Florida, during the week of 29 January 2007, it was agreed that the guidance material offered in Doc 9871, §C.2.4.4 should be added to the draft of Appendix B. After review of the materials in Doc 9871, the authors felt that sections §C.2.4.3, §C.2.4.4, §C.2.4.5 and §C.2.4.6, should be copied into the end of Appendix B, as section §B.5 “Implementation Guidelines,” with subsections §B.5.1, §B.5.2, §B.5.3 & §B.4 containing the four sections from Doc 9871 in their entirety, including Figure C-2, plus adding notes to each of the four Registers 20₁₆, 40₁₆, 50₁₆ and 60₁₆ to point to these new sections for example implementations.

In addition to the above materials, we propose that section §A.2.2 (General Conventions on Data Formats), and its subsections, should be copied to §B.3 as section §B.3.1 following Table 3-1.

Draft version 0.5 of the proposed Appendix B presented separately implements the above suggestions.